Berkel

Catalog of Replacement parts

FMS20 Mixer

ML-141017
ML-141018
ML-141040

EFFECTIVE OCTOBER 2010

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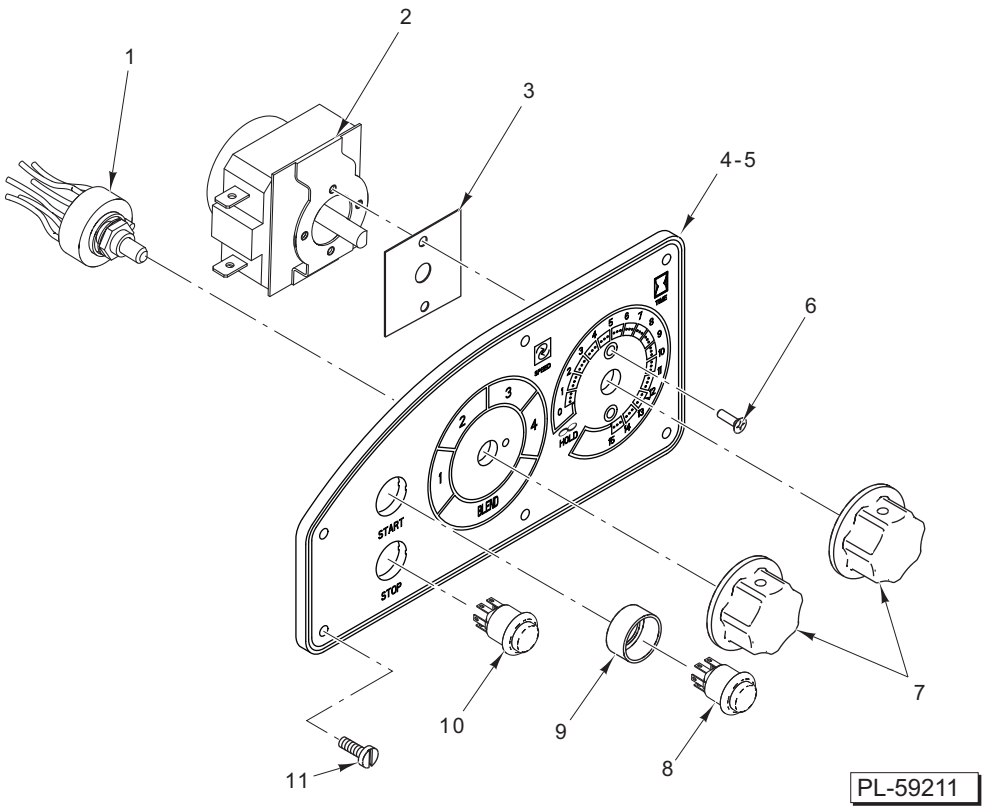
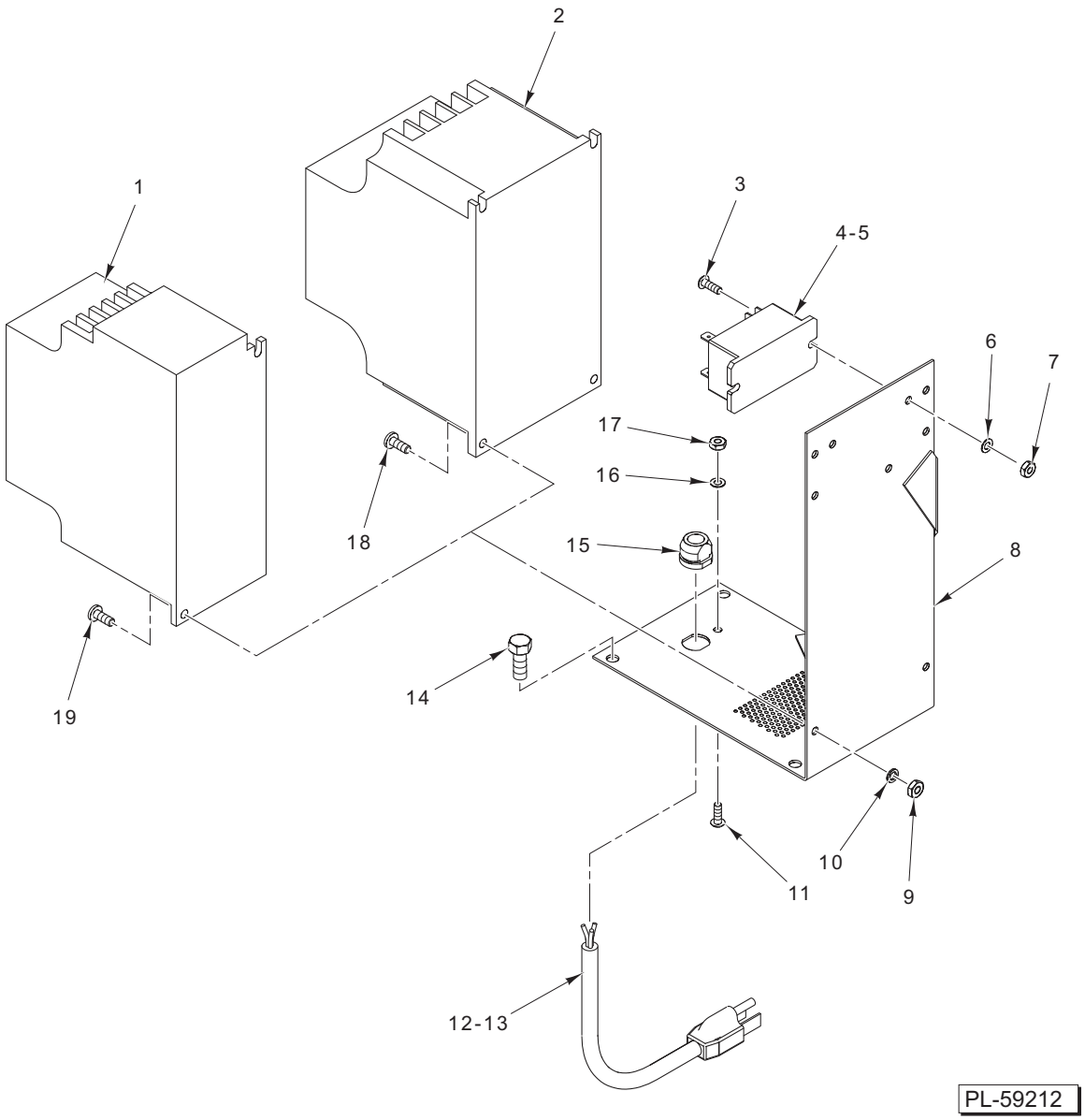


CONTROL PANEL

ILLUS. PL-59211	PART NO.	NAME OF PART	AMT.
1	00-937225	Switch – Speed Selector Assy.	1
2	00-916988-00007	Timer Assy.	1
3	00-937245	Spacer – Timer (Mylar)	4
4	00-937131	Plate – Operator Panel	1
5	00-937152	Overlay	1
6	SC-128-18	Mach. Screw M3 x 0.5 x 6mm Phil. Flat Hd.	2
7	00-917141	Knob – Control	2
8	00-917447	Switch – Start	1
9	00-917446	Guard – Switch	1
10	00-917448	Switch Assy. – Stop	1
11	00-937311-00002	Screw M4 x 12mm Slotted Bndg. Hd.	6



ELECTRICAL COMPONENTS

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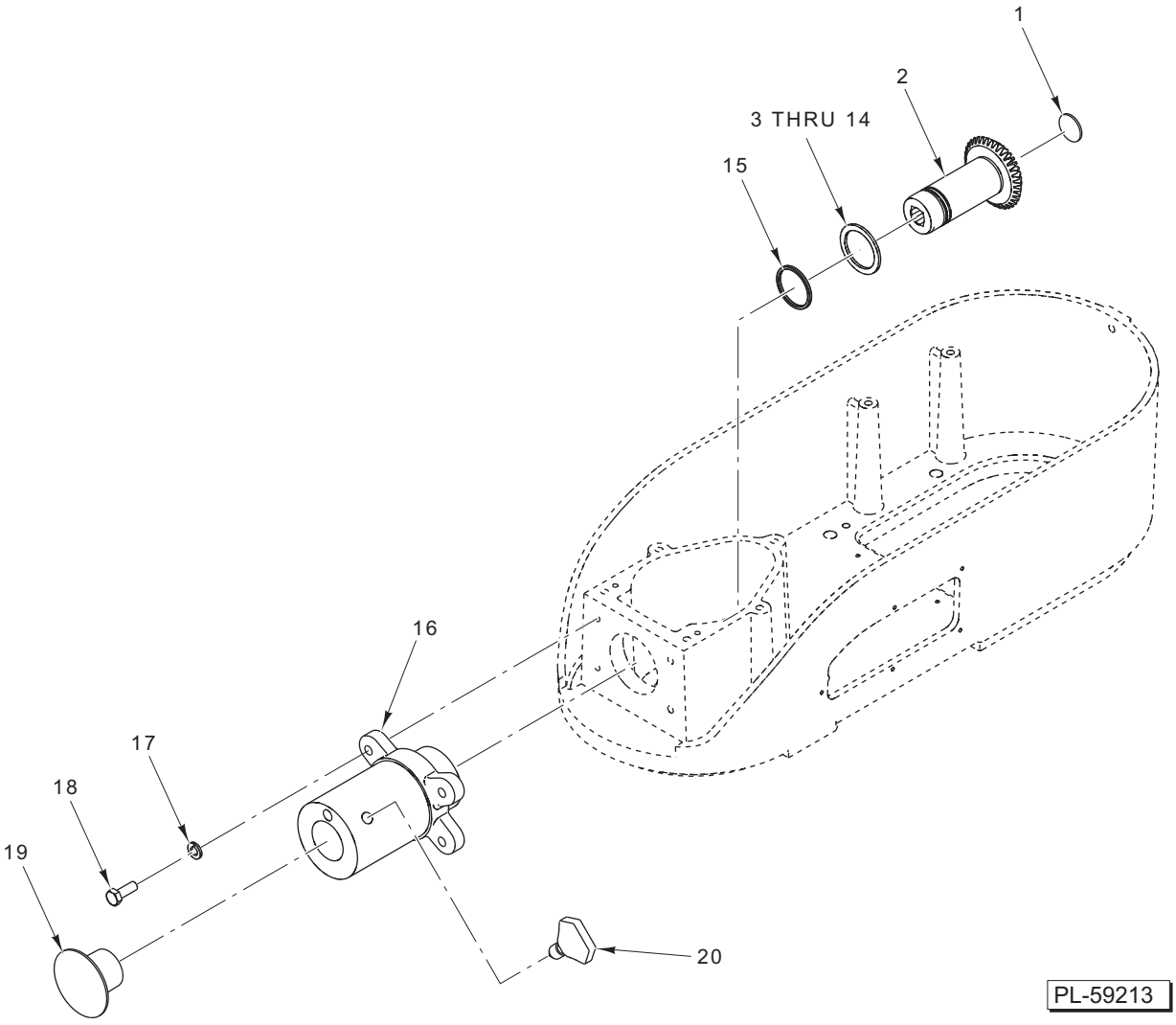
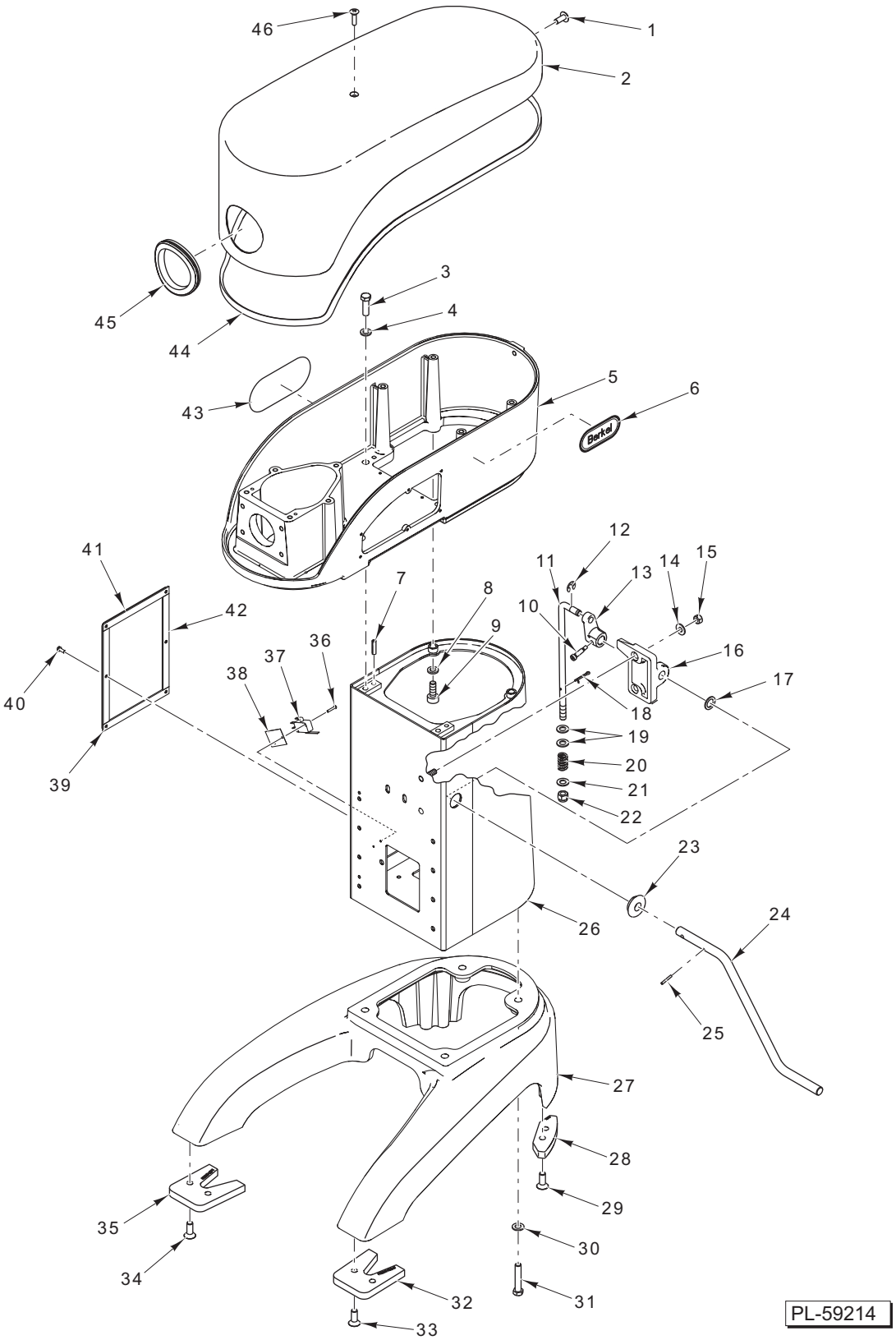
ILLUS. PL-59212	PART NO.	NAME OF PART	AMT.
1	00-937124-00002	Controller (Delta) (240 V.) (ML-141018)	1
2	00-937124-00001	Controller (Delta) (115 V.) (ML-141017 & ML-141040)	1
3	SC-021-15	Mach. Screw 8-32 x 1/2 Slotted Rd. Hd. (SST)	2
4	00-087714-042-1	Relay (2-Pole) (120 VAC) (ML-141017 & ML-141040)	1
5	00-087714-042-3	Relay (2-Pole) (240 VAC) (ML-141018)	1
6	WL-013-08	Lockwasher #8 Internal	2
7	NS-009-12	Nut 8-32 Hex	2
8	00-937151	Plate & Brace – Controller	1
9	00-937291-00003	Nut M5 Hex	AR
10	00-937292-00003	Lockwasher M5	AR
11	SC-021-15	Mach. Screw 8-32 x 1/2 Slotted Rd. Hd. (SST)	1
12	00-916909-00019	Cord & Plug Strain Relief (120 V.) (Incls. Item 15) (ML-141017 & ML-141040)	1
13	00-916909-00020	Cord & Plug Strain Relief (240 V.) (Incls. Item 15) (ML-141018)	1
14	00-937288-00001	Screw M6 x 12mm Hex Hd.	3
15	FE-017-41	Relief – Strain (Electrical)	1
16	WL-013-08	Lockwasher #8 Internal	1
17	NS-009-12	Nut 8-32 Hex	1
18	00-937289-00001	Screw M5 x 0.8 x 12mm Phil. Pan Hd.	4
19	00-937289-00001	Screw M5 x 0.8 x 12mm Phil. Pan Hd.	2
	00-916972-002-6	Tubing – Convoluted Slit	1



ATTACHMENT HUB

ATTACHMENT HUB

ILLUS. PL-59213	PART NO.	NAME OF PART	AMT.
1	PL-003-17	Plug – Expansion	1
2	00-917174	Gear – Drive Attachment (Incls. Item 1)	1
3	00-061920-00001	Washer (0.076)	AR
4	00-061920-00002	Washer (0.079)	AR
5	00-061920-00003	Washer (0.082)	AR
6	00-061920-00004	Washer (0.085)	AR
7	00-061920-00005	Washer (0.088)	AR
8	00-061920-00006	Washer (0.091)	AR
9	00-061920-00007	Washer (0.094)	AR
10	00-061920-00008	Washer (0.097)	AR
11	00-061920-00009	Washer (0.100)	AR
12	00-061920-00010	Washer (0.103)	AR
13	00-061920-00011	Washer (0.106)	AR
14	00-061920-00012	Washer (0.070)	AR
15	OR-001-03	O-Ring – Quad	1
16	00-917066-00003	Hub – Attachment	1
17	00-937292-00005	Lockwasher M5	4
18	00-937288-00002	Cap Screw M8 x 25mm Hex Hd.	4
19	00-917322	Plug – Attachment (Black)	1
20	00-108197-00001	Screw – Thumb $1^{1}/_{4}$	1



BASE AND PEDESTAL

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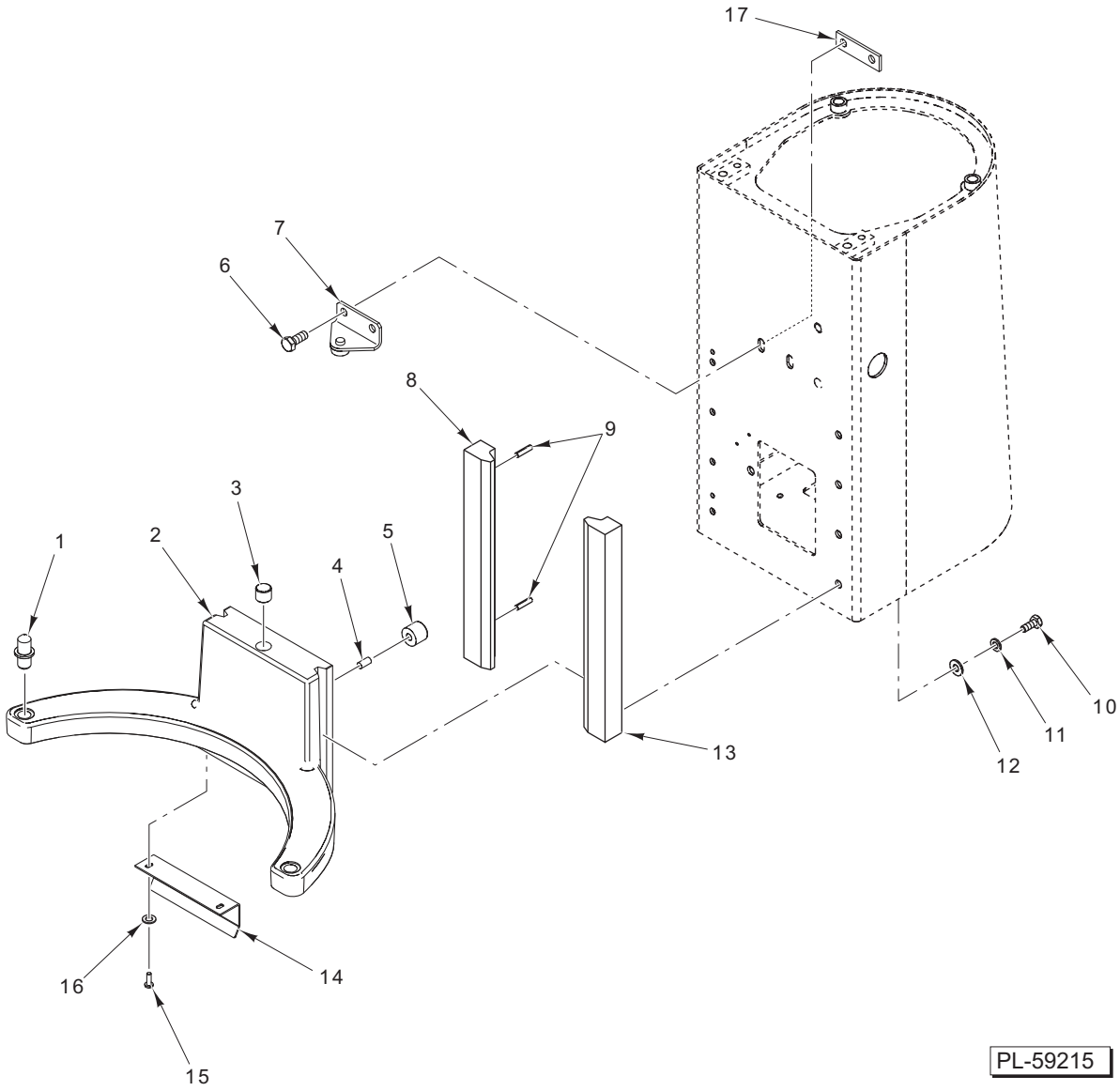
ILLUS. PL-59214	PART NO.	NAME OF PART	AMT.
1	00-937310-00005	Screw M8 x 16mm Slotted Truss Hd.	1
2	00-917118-00003	Cover – Top	1
3	00-937288-00004	Screw M10 x 30mm Hex Hd.	2
4	00-937292-00006	Lockwasher M10	2
5	00-937141-00003	Transmission	1
6	00-937340	Logo – Berkel (Small)	1
7	00-937293-00001	Pin – Roll	2
8	00-937292-00006	Lockwasher M10	2
9	00-937297-00004	Cap Screw M10 x 1.5 x 25mm Hex Socket Hd.	2
10	SC-086-01	Shoulder Screw 10-24 x 3/4 Hex Socket Hd.	1
11	00-937265	Rod – Bowl Lift	1
12	RR-012-42	Retaining Ring	2
13	00-917089-00003	Arm – Bowl Lift	1
14	00-937292-00005	Lockwasher M8	2
15	00-937291-00006	Nut M8 Hex	2
16	00-917082-00003	Bearing – Bowl Lift	1
17	00-937292-00019	Washer	1
18	00-937293-00031	Pin – Cotter M3	1
19	00-937292-00014	Washer #8	2
20	00-012782	Spring	1
21	00-937292-00014	Washer #8	1
22	00-937291-00010	Lock Nut M8 Hex	1
23	00-439586	Grommet	1
24	00-937266	Handle – Bowl Lift	1
25	00-937293-00001	Pin – Roll	1
26	00-917873	Pedestal – Weldment	1
27	00-937144-00003	Base	1
28	00-917166	Pad – Rear	2
29	00-937290-00001	Screw M10 x 25mm Flange Hd.	4
30	00-937292-00016	Washer #10	4
31	00-937288-00004	Screw M10 x 30mm Hex Hd.	4
32	00-917165-00002	Pad – Front (RH)	1
33	00-937290-00001	Screw M10 x 25mm Flange Hd.	2
34	00-937290-00001	Screw M10 x 25mm Flange Hd.	2
35	00-917165-00001	Pad – Front (LH)	1
36	SC-060-40	Mach. Screw 4-40 x 5/8 Slotted Rd. Hd.	2
37	00-916902-00007	Switch – Snap-Action	1
38	00-439892	Insulator – Switch	1
39	00-937139-00002	Cover (Incls. Items 41 & 42)	1
40	00-937311-00002	Screw M4 x 12mm Slotted Bndg. Hd.	6
41	00-917986-00003	Seal – Side Cover	2
42	00-917986-00004	Seal – Side Cover	2
43	00-917341	Logo – Berkel (Large)	1
44	00-874925-00007	Seal – Neoprene	1
45	00-917128	Grommet – Attachment Hub	1
46	00-937298-00004	Cap Screw M10 x 25mm Countersunk Hd.	1



BOWL SUPPORT

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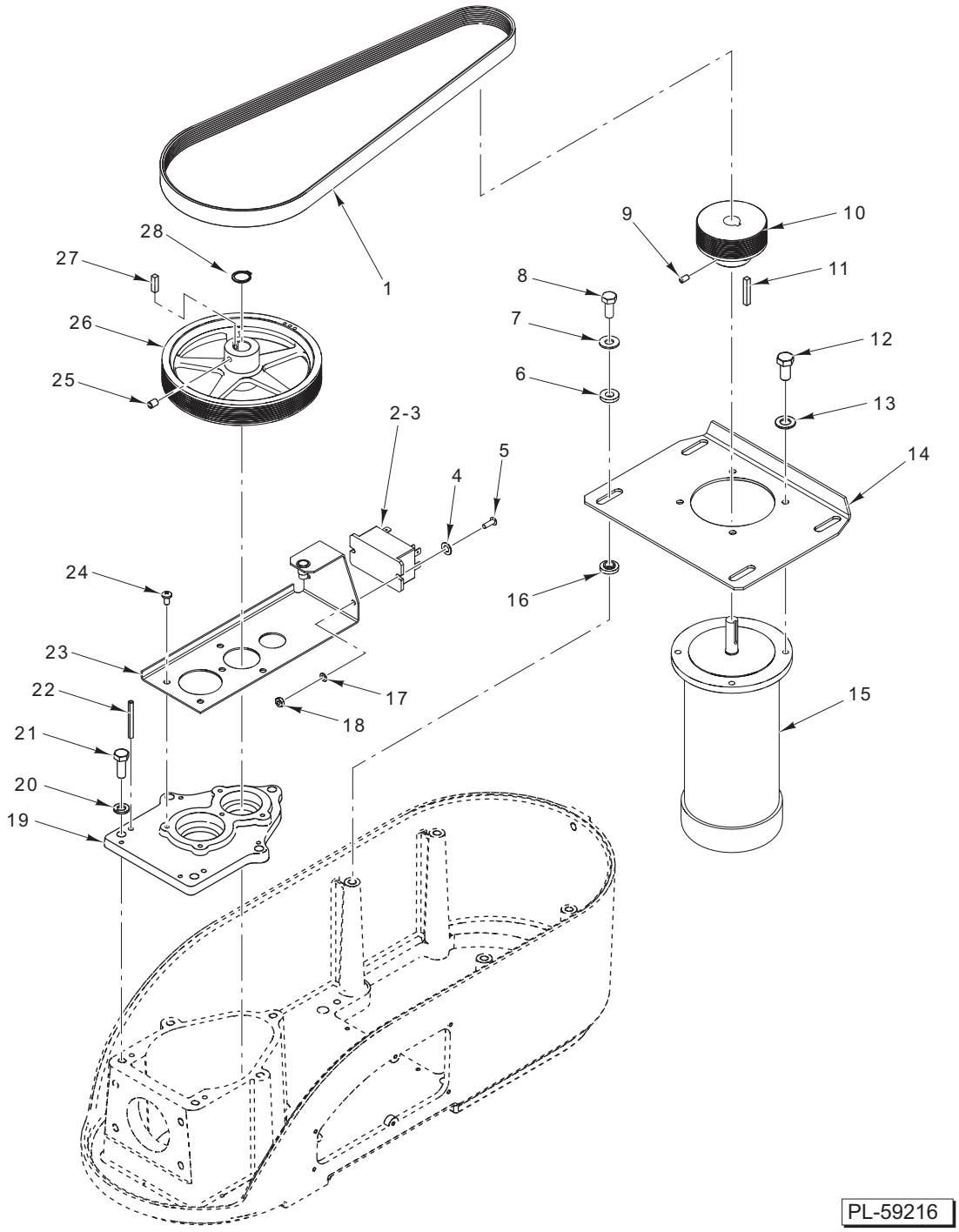
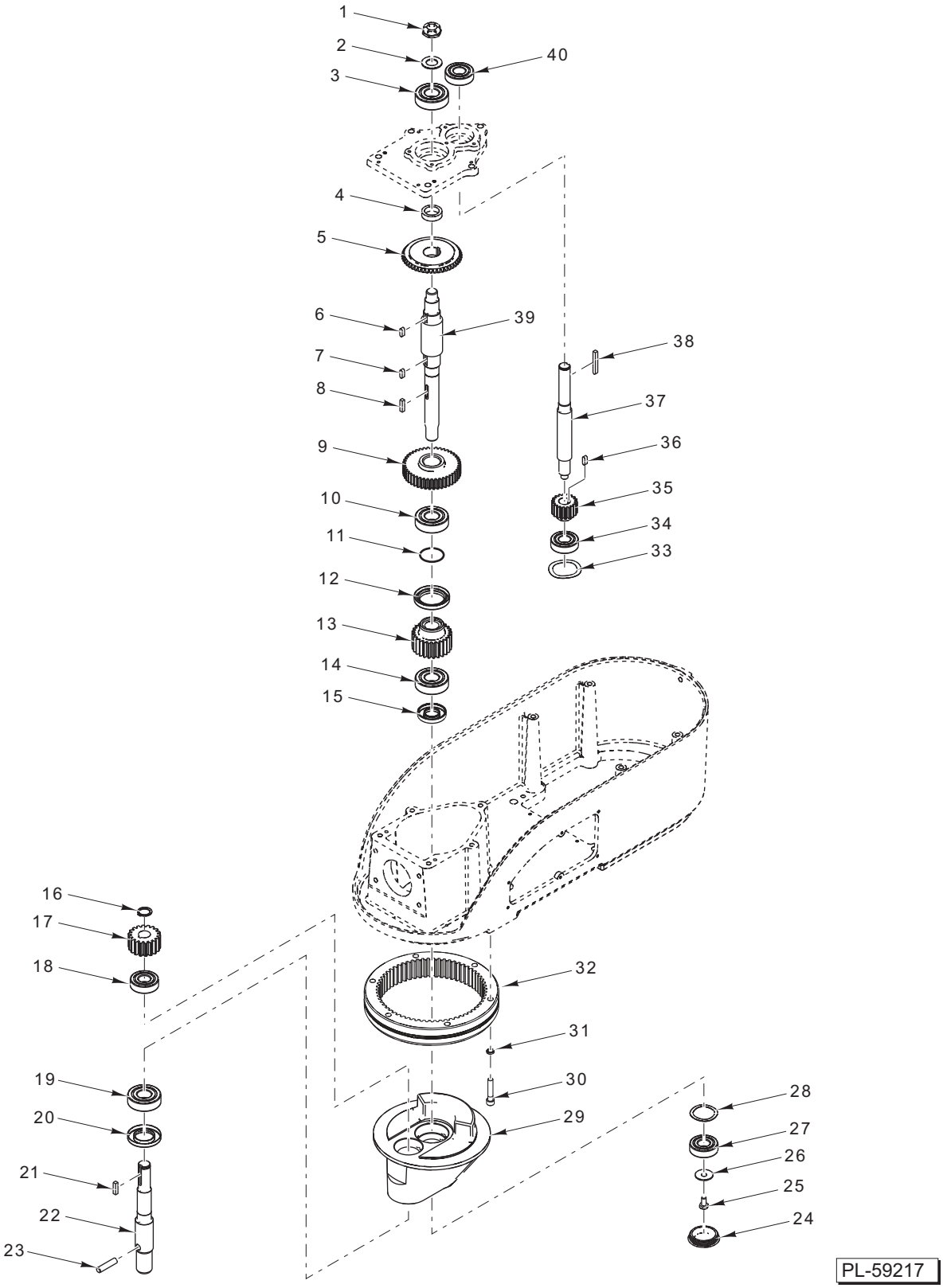
ILLUS. PL-59215	PART NO.	NAME OF PART	AMT.
1	00-937076	Pin – Bowl Mounting	2
2	00-917872-00002	Support – Bowl (Incls. Items 1 & 3)	1
3	00-917865	Isolator (Lower Bowl Stop)	1
4	00-917185	Magnet	1
5	00-917186	Holder – Magnet	1
6	00-937288-00003	Screw M8 x 1.25 x 20mm Hex Hd.	2
7	00-917863	Plate & Isolator (Bowl Lift)	1
8	00-937079-00001	Slideway (LH)	1
9	00-937293-00002	Pin – Roll	2
10	00-937288-00001	Screw M6 x 1.0 x 12mm Hex Hd.	8
11	00-937292-00004	Lockwasher M6 Spring	8
12	00-937292-00013	Washer	8
13	00-937079-00002	Slideway (RH)	1
14	00-937089	Apron – Lower	1
15	00-937289-00002	Screw M4 x 0.7 x 12mm Phil. Pan Hd.	2
16	00-937292-00011	Washer M4	2
17	00-917654	Retainer	1



TRANSMISSION CASE AND MOTOR

TRANSMISSION CASE AND MOTOR

ILLUS. PL-59216	PART NO.	NAME OF PART	AMT.
1	00-917502-00002	Belt – V Ribbed	1
2	00-087714-042-1	Relay (2-Pole) (120 VAC) (ML-141017 & ML-141040)	1
3	00-087714-042-3	Relay (2-Pole) (240 VAC) (ML-141018)	1
4	00-937292-00011	Washer M4	2
5	00-937289-00002	Screw M4 x 0.7 x 12mm Phil. Pan Hd.	2
6	00-917410	Isolator	4
7	00-937292-00015	Washer M8	4
8	00-937288-00005	Screw M8 x 30mm Hex Hd.	4
9	00-937294-00002	Set Screw M5 x 0.8 x 8mm Cup Pt.	2
10	00-937128	Pulley – Driver	1
11	00-917496-00018	Key 6mm x 6mm x 25mm	1
12	00-937288-00001	Screw M6 x 12mm Hex Hd.	4
13	00-937292-00004	Lockwasher M6 Spring	4
14	00-937140	Plate – Motor Mounting	1
15	00-937161	Motor Assy.	1
16	00-917410	Isolator	4
17	00-937292-00002	Lockwasher M4 Spring	2
18	00-937291-00002	Nut M4 Hex	2
19	00-917083-00003	Cover – Transmission Case	1
20	00-937292-00005	Lockwasher M8 Spring	5
21	00-937288-00003	Screw M8 x 1.25 x 20mm Hex Hd.	5
22	00-937293-00002	Pin 5 x 0.5 x 20 Spring	2
23	00-937286	Retainer – Top Bearing	1
24	00-937289-00003	Screw M5 x 0.8 x 10mm Phil. Pan Hd.	5
25	00-937294-00001	Set Screw M6 x 1.0 x 10mm Cup Pt.	2
26	00-937267	Pulley – Driven (8 In.)	1
27	00-917496-00012	Key 5mm x 5mm x 40mm	1
28	RR-012-14	Ring – Retaining	1
	00-916972-002-6	Tubing – Convoluted Slit	1



TRANSMISSION

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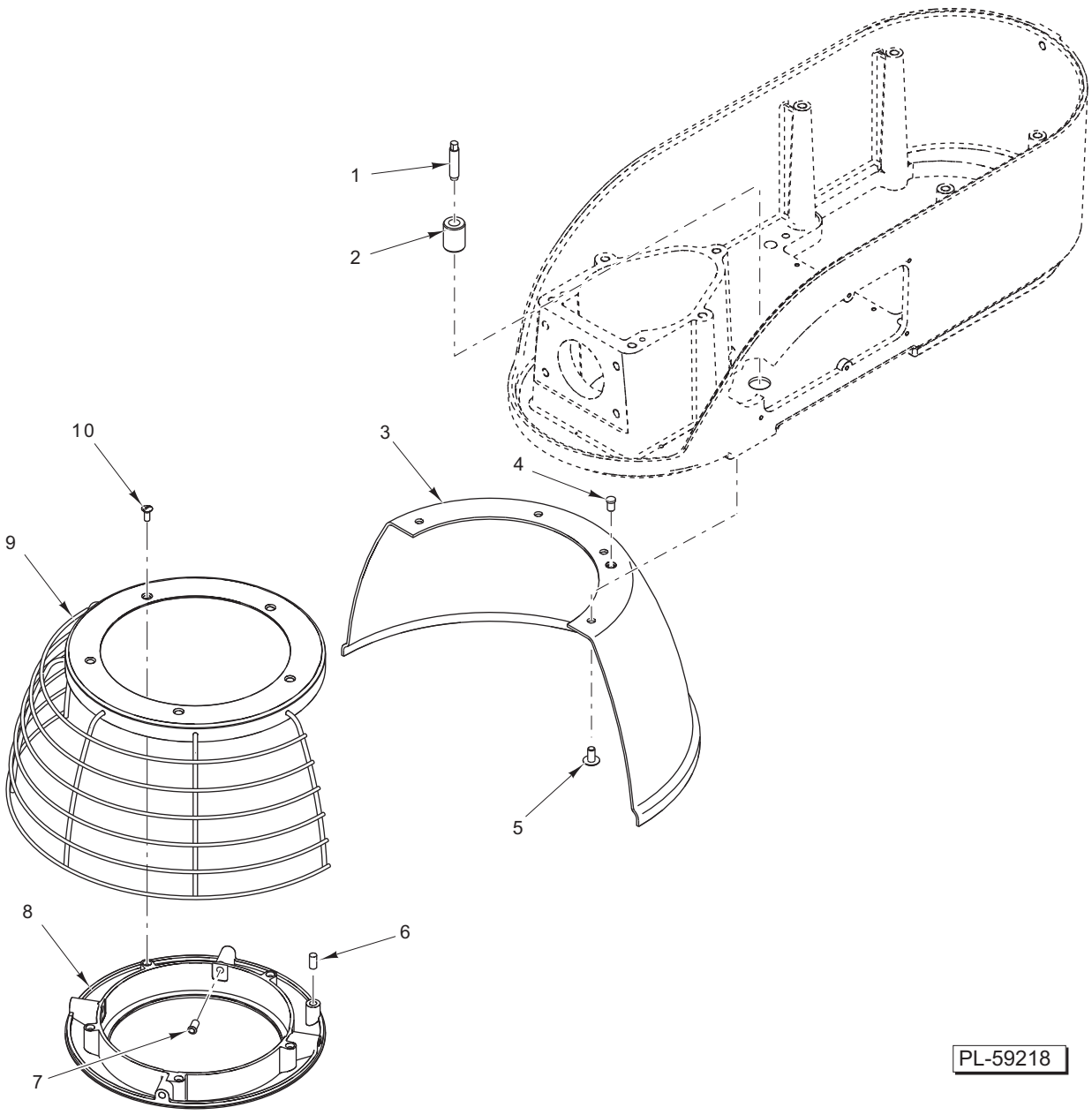
ILLUS. PL-59217	PART NO.	NAME OF PART	AMT.
1	00-937291-00008	Lock Nut	1
2	00-937292-00020	Washer	1
3	BB-005-34	Bearing – Ball	1
4	00-874793	Spacer – Planetary	1
5	00-937257	Gear – Bevel (46T)	1
6	00-917496-00022	Key 5mm x 5mm x 12mm	1
7	00-917496-00019	Key 5mm x 5mm x 18mm	1
8	00-917496-00013	Key 5mm x 5mm x 22mm	1
9	00-937263	Gear (43T)	1
10	BB-005-34	Bearing – Ball	1
11	00-067500-00009	O-Ring	1
12	00-917123	Seal – Center Shaft	1
13	00-937262	Gear – Sun	1
14	BB-005-34	Bearing – Ball	1
15	00-439588	Seal – Transmission Case	1
16	RR-012-45	Ring – Retaining	1
17	00-937259	Gear – Planetary	1
18	BB-020-18	Bearing – Ball	1
19	BB-005-34	Bearing – Ball	1
20	00-023482	Seal – Grease	1
21	00-917496-00021	Key 5mm x 5mm x 20mm	1
22	00-937258	Shaft – Agitator	1
23	00-065062-00001	Pin – Dowel	1
24	00-439632	Plug –Planetary	1
25	00-937288-00006	Screw M8 x 14mm Hex Hd.	1
26	00-937292-00026	Washer M8	1
27	BB-020-18	Bearing – Ball	1
28	SL-005-12	Spring – Loaded	1
29	00-439552-00003	Planetary	1
30	00-937297-00001	Cap Screw M6 x 1.0 x 30mm Hex Socket Hd.	6
31	00-937292-00007	Lockwasher M6 Spring	6
32	00-917086-00002	Gear – Internal (63T)	1
33	SL-005-19	Spring – Loading	1
34	BB-005-01	Bearing – Ball	1
35	00-937260	Gear – Input Shaft	1
36	00-917496-00020	Key 3mm x 3mm x 20mm	1
37	00-937264	Shaft – Input	1
38	00-917496-00021	Key 5mm x 5mm x 20mm	1
39	00-937261	Shaft – Center	1
40	BB-005-23	Bearing – Ball	1
	00-937304	Center Shaft Assy. (Incls. Items 7, 9, 10, & 39)	1
	00-937303	Input Shaft & Pinion (Incls. Items 34 thru 37)	1



BOWL GUARD

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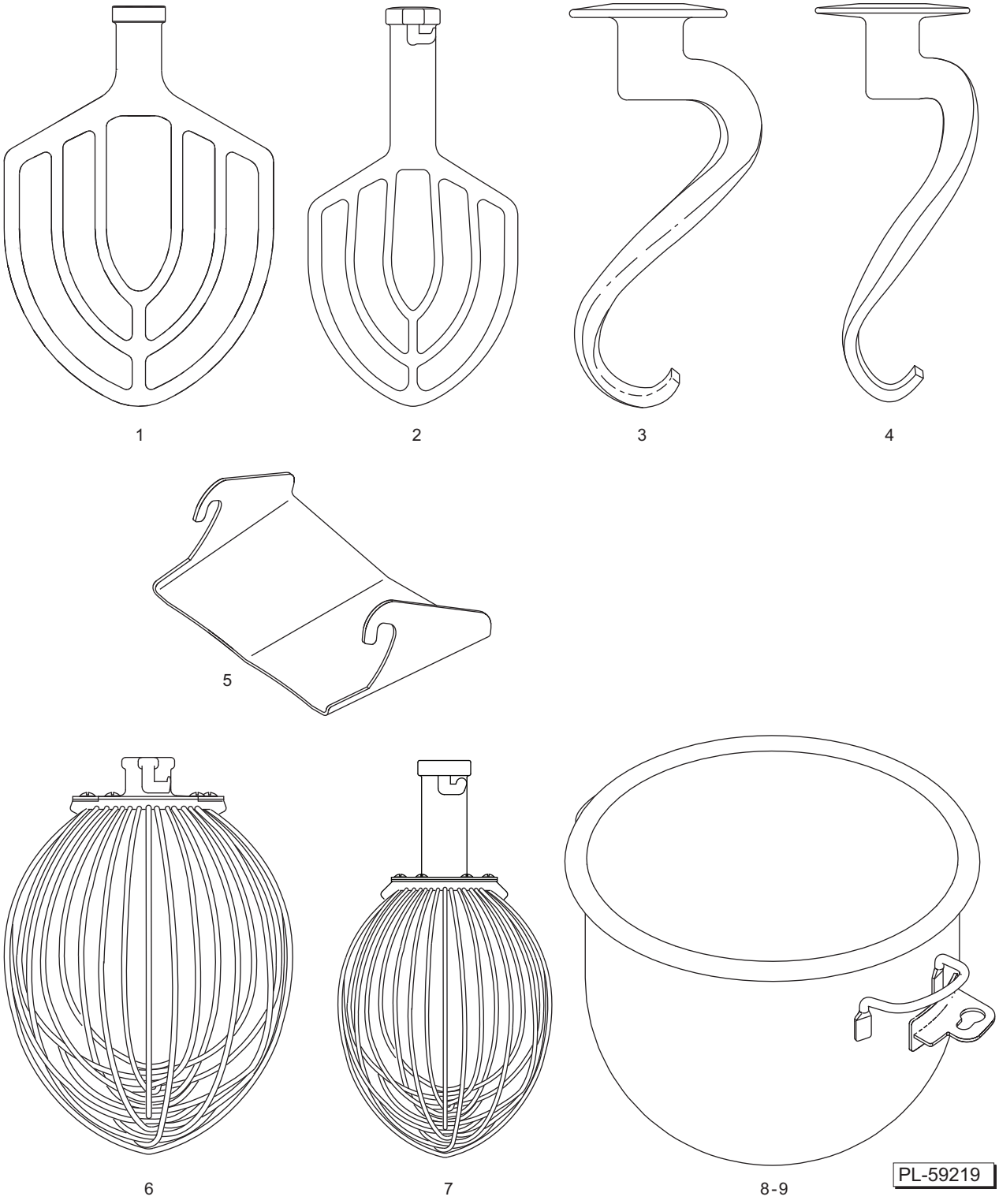
ILLUS. PL-59218	PART NO.	NAME OF PART	AMT.
1	00-916902-00003	Switch – Reed	1
2	00-917184	Holder – Reed Switch	1
3	00-917155	Guard – Rear Splash	1
4	00-917281	Pin – Magnet Bridge	1
5	00-937310-00004	Screw M6 x 12mm Slotted Truss Hd.	4
6	00-917185	Magnet	1
7	00-917056	Plunger – Ball	4
8	00-937306	Ring – Drip	1
9	00-917151	Cage	1
10	00-937298-00001	Screw M5 x 12mm Countersunk Hd.	5
	00-937308-00001	Wire Cage Assy. (Incls. Items 6 thru 10)	1
	00-937309	Drip Ring Assy. (Incls. Items 6, 7, & 8)	1



AGITATORS AND ACCESSORIES

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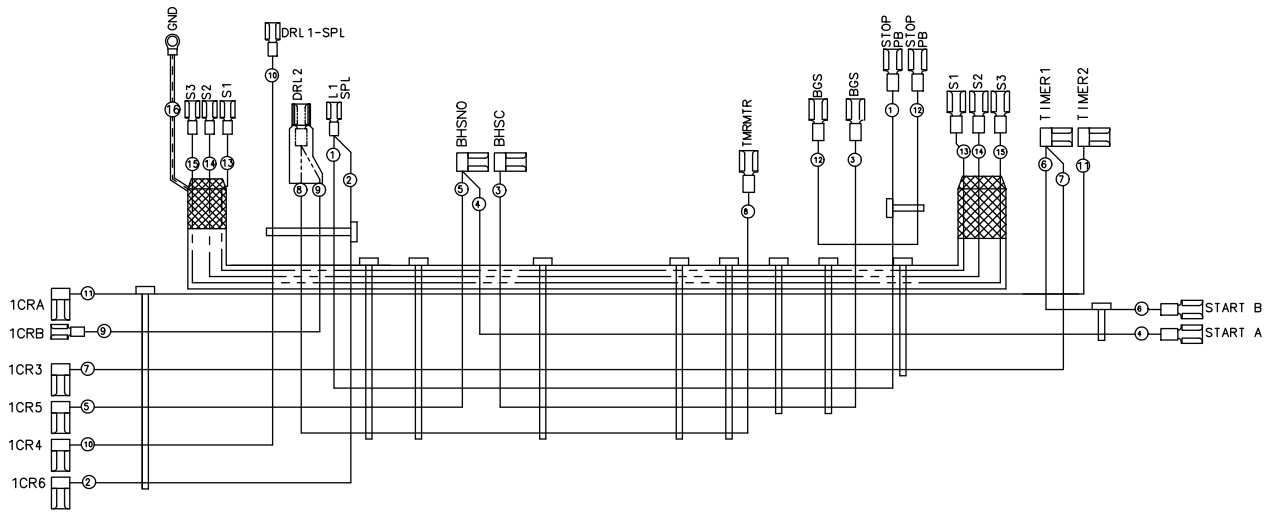
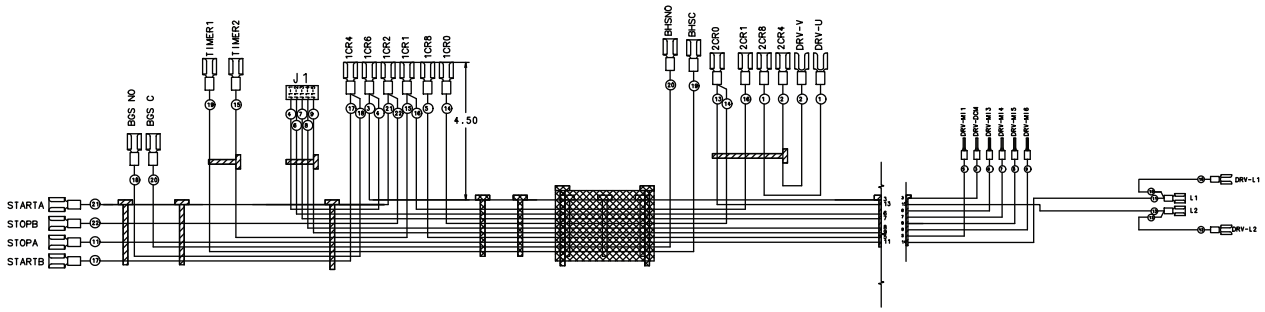
ILLUS. PL-59219	PART NO.	NAME OF PART	AMT.
1	00-023126-00003	“B” Beater (20 Qt.)	1
2	00-023502-00002	“B” Beater (12 Qt.)	1
3	00-477561-00002	“ED” Hook – Dough Arm (20 Qt.)	1
4	00-917323	“ED” Hook – Dough Arm (12 Qt.) (Packaged)	1
5	00-917320	Chute – Ingredient (20 Qt.)	1
6	00-275897-00004	“D” Wire Whip (20 Qt.)	1
7	00-295027-00005	“D” Wire Whip (12 Qt.) (Packaged)	1
8	00-917190	Bowl (20 Qt.)	1
9	00-917314	Bowl (12 Qt.)	1
	00-917788	Guard – Splash (20 Qt.) (Packaged)	1
	00-917782	Kit – Bowl Reduction (Incls. Bowl, Beater, Hook, & Whip)	1



00-917634 Harness - Main Wiring (120 V.)



00-937154 Harness - Main Wiring (240 V.)

PL-59220

WIRING HARNESSES